

Abstract of the Disclosure

A method of manufacturing a liquid crystal display device is disclosed. The method comprises filling the space between two facing substrates with a mixture of pre-polymer and liquid crystal material, applying an external source of energy to initiate a polymerization, wherein as the polymerization proceeds a phase separation of the polymer and liquid crystal is generally also proceeding, after initiation of polymerization and before completion thereof, adjusting a parameter that affects one or both of the rates of polymerization and phase separation, so as to produce a variation in the polymerized structure, wherein the variation is a result of the rates of polymerization and phase separation being adjusted during the course of polymerization.

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